

Appl. No. :
Applicant : Christopher Robert Murray Mitchell

Amendments to the Claims

This listing of claims will replace all prior versions and listing of the claims in the application:

Listing of Claims

1- 30 (canceled)

Claims (amended)

31. (new) Apparatus for moving or rocking an infant enclosure of the type having legs by which said enclosure is normally supported on an underlying surface, said apparatus comprising a plurality of support means associated with respective said legs, at least one of said support means including or being associated with motion imparting means for imparting a substantially vertical oscillating or reciprocating motion to said enclosure, and means for selectively actuating said motion imparting means.

32. (new) Apparatus as claimed in claim 31 wherein said oscillating or reciprocating motion comprises a constant motion or variable motion.

33. (new) Apparatus as claimed in claim 31 wherein one or more of said support means comprises active support means and includes or is associated with the motion imparting means.

34. (new) Apparatus as claimed in claim 33 wherein others of said support means comprise passive support means and include means for facilitating the continuation of motion in the enclosure.

35. (new) Apparatus as claimed in claim 34 wherein said means for facilitating the continuation of motion in the enclosure comprise resilient or elastic means.

36. (new) Apparatus as claimed in claim 35 wherein said resilient or elastic means comprise springs.

37. (new) Apparatus as claimed in claim 31 wherein said motion imparting means comprises an actuator.

38. (new) Apparatus as claimed in claim 37 wherein said actuator comprise a vibratory actuator or an actuator having a rotatable actuator member.

39. (new) Apparatus as claimed in claim 37 wherein said actuator includes an actuator member adapted to be selectively reciprocated or oscillated to impart a vertical or substantially vertical reciprocating or oscillating motion to the leg of the enclosure associated with the at least one support means.

40. (new) Apparatus as claimed in claim 39 wherein said actuator member is oriented in use substantially vertically such as to induce at least a vertical reciprocation or oscillation of the leg of the enclosure associated with the at least one support means.

41. (new) Apparatus as claimed in claim 40 wherein said actuator comprises a solenoid actuator and wherein said actuator member comprises the solenoid coil of the actuator or armature or an extension of the armature of the actuator.

42. (new) Apparatus as claimed in claim 34 wherein said support means comprise support modules on or in which respective legs of the enclosure are supported.

43. (new) Apparatus as claimed in claim 42 wherein said support modules include a socket or saddle for receiving a leg of the enclosure.

44. (new) Apparatus as claimed in claim 43 wherein said socket or saddle is supported by resilient means for resilient movement.

45. (new) Apparatus as claimed in claim 44 wherein each said support module comprises a housing and wherein said resilient means comprises a compression spring housed in said housing.

46. (new) Apparatus as claimed in claim 43 wherein at least one of said support modules comprises an active support module and wherein said motion imparting means

comprises an actuator mounted on said socket or saddle of the or each said active support module.

47. (new) Apparatus as claimed in claim 46 wherein said actuator comprises a solenoid actuator having first and second solenoid members, said first member being movable relative to said second member and wherein one of the members of the actuator is connected to the socket or saddle.

48. (new) Apparatus as claimed in claim 47 wherein said one member is directly connected to the socket or saddle such that movement thereof when the solenoid actuator is actuated causes a corresponding movement of the socket or saddle.

49. (new) Apparatus as claimed in claim 48 wherein said solenoid actuator is supported by the socket or saddle.

50. (new) Apparatus as claimed in claim 49 wherein said solenoid members comprise an armature and a coil and wherein the armature of said solenoid is rigidly connected to the socket or saddle and oriented substantially vertically whereby current applied to said coil causes said coil to move substantially vertically along the armature.

51. (new) Apparatus as claimed in claim 50 wherein said coil is weighted.

52. (new) Apparatus as claimed in claim 50 and including springs for cushioning movement of the coil.

53. (new) Apparatus as claimed in claim 47 wherein said at least one active module includes control means to control the supply of current to the solenoid coil.

54. (new) Apparatus for moving or rocking an infant enclosure of the type having legs by which said enclosure is normally supported on an underlying surface, said apparatus comprising a plurality of support modules, each associated with a respective said leg to support a said leg, at least one of said support modules comprising an active support module and at least one of said support modules comprising a passive support module, said at least one active support module including motion imparting means for imparting a substantially

vertical oscillating or reciprocating motion to said enclosure, and said at least one passive support module including means for facilitating the continuation of motion imparted in the enclosure by said at least one active support module.